



## Summary

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[See video assembly instructions](#)

Low Voltage	5
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.20 mm
Matching parts	<a href="#">EGG.1B.305.CLL</a>
Series	B - Indoor keyed

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-1b-305-clad62z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-1b-305-clad62z.html)

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## Electrical Configuration

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Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	1B.305 - 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	9 Amps
Vtest (contact-contact)	1250 V (AC), 1770 V (DC)
Vtest (contact-shell)	1150 V (AC), 1630 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.035in)
Low Voltage	5
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

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Shell style / Model id	FG - Straight plug, cable collet and nut for fitting a bend relief
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Variant	Nut for fitting a bend relief
Weight	16.15 g

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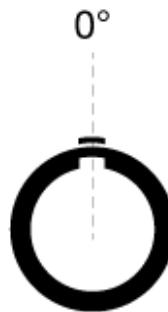
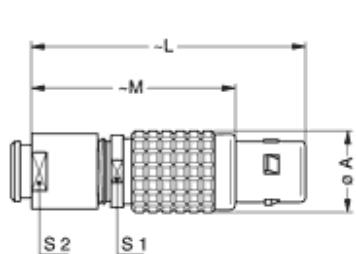
## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental protection	IP50
Minimal temperature	-55°C / +250°C
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 dB (1 GHz)
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

## Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.30 - 6.20 mm

## Drawings



## Dimensions

	<b>A</b>	<b>L</b>	<b>M</b>	<b>S1</b>	<b>S2</b>
mm.	12	42	31	10	9
in.	0.47	1.65	1.22	0.39	0.35

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# Recommended By Lemo

## Accessories

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Compatible cap **BFG.1B.100.PCSG**

## Tools

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Spanner wrench **DCD.1B.ZZZ.PA090**

## Cables

Cable PartNumber	Material	Colour	Cable image
150250	PVC	Grey	

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